

ABSTRACT

A universal power supply. In one embodiment, the power supply comprises a power control unit including a voltage adjustment component, a current regulation component, and a controller that is configured to read data from a consumer appliance
5 and determine a voltage requirement and an amperage tolerance of the consumer appliance, the controller further being configured to control the voltage adjustment component and the current regulation component so as to supply a required voltage at an amperage that does not exceed the amperage tolerance to the consumer appliance.